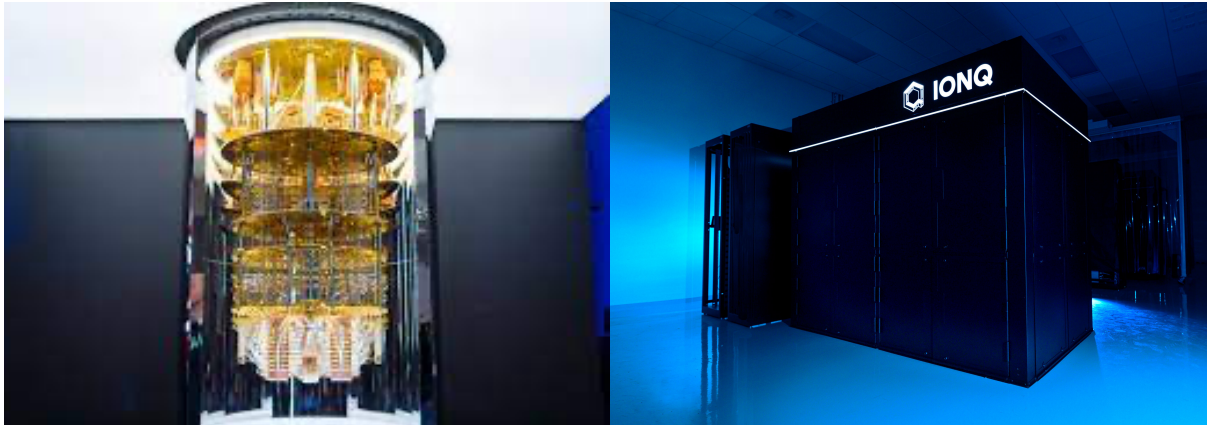# QuantumBasel and ZHAW School of Engineering Join Forces for Quantum Machine Learning Research

Left: IBM Quantum Machine, right: IonQ Quantum Computer.

Switzerland's QuantumBasel and ZHAW's School of Engineering unite to explore cutting-edge quantum machine learning research. As the first neutral quantum hub, QuantumBasel's strategic partnerships with IonQ & IBM fast-track ZHAW's development of innovative quantum computing solutions.

BASEL, SWITZERLAND – [Date] – QuantumBasel, the center of competence for quantum computing and artificial intelligence, proudly announces a highly innovative quantum machine learning research partnership with the Zurich University of Applied Sciences (ZHAW) School of Engineering. This strategic collaboration will focus on cutting-edge research projects in the dynamic field of quantum machine learning.

Situated within the innovative uptownBasel campus in Arlesheim near Basel, QuantumBasel stands as the first neutral commercial quantum hub in Switzerland. Amongst QuantumBasel's strategic technological partnerships, IonQ & IBM Quantum machines will fast-track the development of quantum solutions at ZHAW's School of Engineering. Together, they will spearhead joint projects using QuantumBasel's access to quantum hardware technologies, shaping the forefront of quantum innovation. Dedicated to democratizing the power of quantum, QuantumBasel brings together leading experts and quantum technology partners. The quantum algorithms research at QuantumBasel is driven by [Frederik Flöther](#), [Rajiv Krishnakumar](#), and [Julien Baglio](#).

ZHAW School of Engineering, renowned for its commitment to excellence in engineering education and research, will play a pivotal role in advancing quantum solutions for machine learning. By leveraging the expertise of QuantumBasel and its privileged technology partnerships, ZHAW School of Engineering aims to accelerate the development of innovative quantum applications tailored to address critical business challenges, including for example anomaly detection or natural language processing, which are central to the evolution of industries worldwide. The quantum machine learning research at ZHAW's School of Engineering is driven by [Rudolf Füchslin](#), [Pavel Sulimov](#) and [Kurt Stockinger](#).

Quotes

[Damir Bogdan](#), CEO of QuantumBasel, "Embracing the future means nurturing the workforce of tomorrow. Our partnership with ZHAW School of Engineering in the realms of quantum computing and machine learning is a testament to our strategy of supporting academic excellence. We believe in equipping students with the tools of tomorrow, as the synergy between AI and quantum computing holds the key to unlocking unprecedented opportunities and innovations. This collaboration is not just an investment in technology, but an investment in the bright minds that will shape our future."

[Kurt Stockinger](#) from ZHAW School of Engineering echoed the sentiment, saying, "Our collaboration with QuantumBasel opens up exciting possibilities for our students and researchers to contribute to cutting-edge advancements in quantum machine learning. The partnership aligns with our commitment to providing industry-relevant education and research."

As QuantumBasel celebrates its one-year anniversary, this partnership stands as a testament to its commitment to driving innovation and pushing the boundaries of quantum computing. The collaboration with ZHAW School of Engineering signifies a step towards realizing the vision of democratizing quantum power and bringing transformative solutions to industries globally.

About uptownBasel and QuantumBasel

Nestled on the historic Schorenareal site in Arlesheim near Basel, uptownBasel emerges as an innovative campus and an international competence center dedicated to Industry 4.0. Interconnected globally, deeply rooted in Basel, and anchored in Europe, uptownBasel has inaugurated Building 1, now utilized by European technology groups Bouygues and Vinci (Axians and Actemium), contributing to the creation of 400 new jobs since 2021. Envisioned as a hub for about 100 companies, generating up to 2500 jobs, the center represents an investment exceeding 500 million Swiss francs. This transformative endeavor is made possible through the private ownership of the Staehelin family and executed by Fankhauser Arealentwicklungen.

QuantumBasel, a wholly owned subsidiary of the uptownBasel Group, stands as the Center of Competence for Quantum and Artificial Intelligence, marking Switzerland's pioneering commercial quantum hub. Offering seamless access to quantum and high-performance computing, QuantumBasel extends its services to tenants and the comprehensive ecosystem of uptownBasel, encompassing enterprises, research institutes, startups, and universities. With a visionary goal to democratize the potential of quantum as a neutral hub, uptownBasel Infinity collaborates with diverse partners to develop quantum and artificial intelligence applications and solutions.

For more information, visit www.uptownbasel.ch and www.quantumbasel.com.

About ZHAW School of Engineering

The ZHAW School of Engineering is one of the eight schools of the ZHAW Zurich University of Applied Sciences. With 14 institutes and centres, the ZHAW School of Engineering is one of the leading Engineering Faculties in Switzerland. It guarantees superior-quality education, research and development with an emphasis on the areas of energy, mobility, information and health.
For more information, visit www.zhaw.ch/en/engineering

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